

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20070274636"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S2	168	((sometimes or often or also or frequently or commonly or once or typically or usually or regularly or generally or better) near1 (call\$3 or refer \$4 or known or dubbed)) or (synonymous or synonym or ((equivalent or similar or alternat\$3) near2 (word or concept or term))) near10 (opto\$1electronic or opto electronic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S3	8034	(opto\$1electronic or opto electronic).ti,clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S4	973	(opto\$1electronic or opto electronic) module	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S5	8	"5040868" or "4695871" or "5153734" or "6627872" or "4168102" or "5920120").pn. or "20030185526"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S6	1	DE-10023353-A\$	DERWENT	ADJ	ON	2009/08/19 16:43
S7	1	DE-3331451-C\$	DERWENT	ADJ	ON	2009/08/19 16:43
S8	1	JP-03218670-A\$	DERWENT	ADJ	ON	2009/08/19 16:43
S9	1	EP-1022787-A\$	DERWENT	ADJ	ON	2009/08/19 16:43
S10	1	JP-61214566-A\$	DERWENT	ADJ	ON	2009/08/19 16:43
S11	1	JP-10222080-A\$	DERWENT	ADJ	ON	2009/08/19 16:43

S12	1180	(Optic\$2 or (electro optic\$2) or electrooptic\$2 or (opto electronic) or optoelectronic) same (irradiat\$3 or bombard\$5 or blast\$3 or launch\$3 or strik\$3 or (fire or firing) adj upon or radiat\$3 or ((expos\$3 or illuminat\$3 or luminat\$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) same (press or pressing or pressed or pressure or pression or compress\$3 or push\$3 or squeez\$3 or squish\$3 or squash\$3 or smash\$3) same (separat\$4 or split\$4 or apart or divid\$4 or distan\$4) same (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S13	196969	(Optic\$2 or (electro optic\$2) or electrooptic\$2 or (opto electronic) or optoelectronic) and (irradiat\$3 or bombard\$5 or blast\$3 or launch\$3 or strik\$3 or (fire or firing) adj upon or radiat\$3 or ((expos\$3 or illuminat\$3 or luminat\$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) and (press or pressing or pressed or pressure or pression or compress\$3 or push\$3 or squeez\$3 or squish\$3 or squash\$3 or smash\$3) and (separat\$4 or split\$4 or apart or divid\$4 or distan\$4) and (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43

S14	40	(Optic\$2 or (electro optic\$2) or electrooptic\$2 or (opto electronic) or optoelectronic) with (irradiat\$3 or bombard \$5 or blast\$3 or launch\$3 or strik\$3 or (fire or firing) adj upon or radiat\$3 or ((expos \$3 or illuminat\$3 or luminat \$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) with (press or pressing or pressed or pressure or compress\$3 or push\$3 or squeez\$3 or squish \$3 or squash\$3 or smash\$3) with (separat\$4 or split\$4 or apart or divid\$4 or distan\$4) with (leadframe or lead frame or substrate or metal frame \$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S15	3451	S13 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116. ccls. or 385/31-41,92-94. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S16	23	S12 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116. ccls. or 385/31-41,92-94. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S17	2	S14 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116. ccls. or 385/31-41,92-94. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S18	1	DE-10129785\$18-A\$	EPO; JPO; DERWENT	ADJ	ON	2009/08/19 16:43
S19	2	WO-03001253-a\$	EPO; JPO; DERWENT	ADJ	ON	2009/08/19 16:43
S20	1	US-5513289-A\$	EPO; JPO; DERWENT	ADJ	ON	2009/08/19 16:43
S21	2	jp-05145121-A\$	EPO; JPO; DERWENT	ADJ	ON	2009/08/19 16:43
S22	1	WO-0024062-a\$	EPO; JPO; DERWENT	ADJ	ON	2009/08/19 16:43
S23	2	JP-62196878-A\$	EPO; JPO; DERWENT	ADJ	ON	2009/08/19 16:43
S24	1	us-4843280-A\$	EPO; JPO; DERWENT	ADJ	ON	2009/08/19 16:43
S25	1	"6746295".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43

S26	1	"20030211804"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S27	7	"10/007398"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S28	1	"20020057057"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S29	11	("3875456"   "5043716"   "5847507"   "6155699").PN. OR ("6746295").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S30	6	("2002/0057057").URPN.	USPAT	ADJ	ON	2009/08/19 16:43
S31	2	"3875456".pn. or "5847507". pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S32	11	EP "0" "230" "336"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S33	1	"6610563".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S34	52	("4727457"   "5040868"   "5331512"   "5545359"   "5614131"   "5686172"   "6052500"   "6103398"   "6440877").PN. OR ("6610563").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S35	4	"09"\$1"581"\$1"585"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S36	196969	(Optic\$2 or (electro optic\$2) or electrooptic\$2 or (opto electronic) or optoelectronic) and (irradiat\$3 or bombard\$5 or blast\$3 or launch\$3 or strik \$3 or (fire or firing) adj upon or radiat\$3 or ((expos\$3 or illuminat\$3 or luminat\$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) and (press or pressing or pressed or pressure or pression or compress\$3 or push\$3 or squeez\$3 or squish\$3 or squash\$3 or smash\$3) and (separat\$4 or split\$4 or apart or divid\$4 or distan\$4) and (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S37	3451	S36 and (257/98- 99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116. ccls. or 385/31-41,92-94. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43

S38	1753	S37 and (press or pressed or pressing or compress or compressed or compressing or squeezed or squeezing or squeezed)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S39	203	S38 and screw	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S40	1	"6130448".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S41	86	("4888634"   "4902108"   "5051802"   "5148306"   "5149958"   "5302818"   "5693967"   "5814870"   "5821615"   "5861654"   "5867368"   "5869855"   "5998862").PN. OR ("6130448").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S42	33398	deposit\$3 or form\$3 or coat \$3) with (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer) with surface with (protect\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S43	656	S42 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116. ccls. or 385/31-41,92-94. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S44	6866	(deposit\$3 or form\$3 or coat \$3) with (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer) with surface with ((radiation near2 area) or device or (led or leds or I adj e adj d or electroluminescen\$4 or electro adj luminescen\$4 or "I.e.d" or (emitter or emitting) near light) or sensor or (IC or integrated circuit or micro \$1processor or micro\$1chip or semi\$1conductor die or inner lead or micro\$circuit or chip or random access memory or RAM or ASIC or Application specific integrated circuit or analog circuit or digital circuit or micro \$controller or (pin or ball) grid array or PGA or BGA or FC\$1PGA or leadless cheap carrier or LCC or flip chip or flip\$1chip or fli\$1chips or	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43

		controlled collapse chip connection or C4 or Direct Chip Attach or DCA)				
S45	300	S44 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116. ccls. or 385/31-41,92-94. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S46	1523	S44 and protect\$3 near (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S47	75	S46 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116. ccls. or 385/31-41,92-94. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 16:43
S48	40	S37 and (blumel or simon).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 17:18
S49	70	S37 and (osram or opto or gmbh).as.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 17:18
S50	2158	S37 and (emit or emitting or emitter or transmit or transmitter or transmitting or receiver or receiving or received or detect or detecting or detected).clm, ab.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/19 17:23
S51	10276	(press or pressed or pressing or compress or compressed or compressing or squeezed or squeezing or squeezed) near5 lens	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/20 13:14
S52	256	S51 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116. ccls. or 385/31-41,92-94. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/20 13:15
S54	24	("4766095"   "5324888"   "5734155"   "5981945"   "6121675").PN. OR ("6627872").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/20 14:14

**EAST Search History (Interference)**

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**8/ 31/ 2009 12:33:40 PM****C:\ Documents and Settings\ psene\ My Documents\ EAST\ Workspaces\ 10585175Blumel.wsp**